

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	14	"84"/\$.ccls. and sensor\$1 near5 sheet and (percussion or beat\$3 or striking or hitting or force or pressure) near3 (instrument or drum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/25 15:53
S4	14	"84"/\$.ccls. and sensor\$1 near5 sheet and (percussion or beat\$3 or striking or hitting or force or pressure) near3 (instrument or drum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/22 14:43
S5	67	"84"/\$.ccls. and sensor\$1 near5 (side or rim) and (percussion or beat\$3 or striking or hitting or force or pressure) near3 (instrument or drum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/22 14:52
S6	35	"84"/\$.ccls. and sensors near5 (side or rim) and (percussion or beat\$3 or striking or hitting or force or pressure) near3 (instrument or drum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/22 14:54
S7	35	"84"/\$.ccls. and sensors near5 (side or rim or circumference or edge or border) and (percussion or beat\$3 or striking or hitting or force or pressure) near3 (instrument or drum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/22 15:32
S8	45	"84"/\$.ccls. and sensors with (side or rim or circumference or edge or border) and (percussion or beat\$3 or striking or hitting or force or pressure) near3 (instrument or drum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/22 16:10
S9	341	sensors with (rim or circumference or edge or border) and (percussion or beat\$3 or striking or hitting or force or pressure) near3 (instrument or drum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/22 17:39
S10	238	sensors near5 (rim or circumference or edge or border) and (percussion or beat\$3 or striking or hitting or force or pressure) near3 (instrument or drum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/22 17:31
S11	8	(sensors near5 (rim or circumference or edge or border)) same ((percussion or beat\$3 or striking or hitting or force or pressure) near3 (instrument or drum))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/31 15:15

## EAST Search History

S12	4	(plurality near5 sensors near5 (rim or circumference or edge or border)) and ((percussion or beat\$3 or striking or hitting or force or pressure) near3 (instrument or drum))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/22 17:38
S13	0	"84"/\$.ccls and (sensors with (rim or circumference or edge or border)) and ((percussion or beat\$3 or striking or hitting or force or pressure) with (instrument or drum))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/22 17:40
S14	40	"84"/\$.ccls. and (sensors with (rim or circumference or edge or border)) and ((percussion or beat\$3 or striking or hitting or force or pressure) with (instrument or drum))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/26 14:40
S15	91	"84"/\$.ccls. and (sens\$3 with (rim or circumference or edge or border)) and ((percussion or beat\$3 or striking or hitting or force or pressure) with (instrument or drum\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/05 14:43
S17	10681	"84"/\$.ccls. and (sensors near\$5 (rim or circumference or edge or border))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/26 14:40
S18	47	"84"/\$.ccls. and (sensors with (rim or circumference or edge or border)) and ((percussion or beat\$3 or striking or hitting or force or pressure or drum\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/06 09:00
S19	2	"4852443".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/22 18:10
S20	2	"6822148".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/22 18:12
S21	2	"6632989".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/22 18:13

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S22	2	"5170002".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/22 18:14
S23	2	"4741242".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/22 18:14
S24	465	(sensors near5 (rim or circumference or edge or border or boundary)) and ((percussion or beat\$3 or striking or hitting or force or pressure or drum\$4) near3 (instrument or device or musical or sound or acoustic))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/22 19:27
S25	257	S24 and (input\$3 or ourput or transmit\$4) with signal\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/22 18:32
S26	3	S15 and game	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/22 19:29
S27	34	"84"/\$.ccls. and sensor\$1 and (percussion or beat\$3 or striking or hitting or force or pressure) near3 (instrument or drum) and game\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/22 19:31
S28	1771	sheet near5 sensor\$1 and left near2 side and right near2 side	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/25 09:58
S29	6	S28 and percussion	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/25 10:00
S30	2240	"84"/\$.ccls. and percussion	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/25 10:00

## EAST Search History

S31	3	"84"/\$.ccls. and S28	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/25 10:52
S32	3	"84"/\$.ccls. and game near5 machin\$1 and percussion near5 (instument or drum or device)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/25 14:45
S33	3	"84"/\$.ccls. and game near5 machin\$1 and percussion near5 (instument or drum or device)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/25 14:45
S34	9	"84"/\$.ccls. and game near5 music\$2 and percussion near5 (instument or drum or device)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/25 14:46
S35	1	S34 and start\$3 with (beating or stiking or drumming)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/25 14:47
S36	22	game near5 music\$2 and percussion near5 (instument or drum or device)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/25 14:48
S37	2	S36 and start\$3 with (beating or stiking or drumming)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/25 14:49
S38	25	game with music\$2 and percussion near5 (instument or drum or device)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/25 14:49
S39	2	S38 and start\$3 with (beating or stiking or drumming)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/25 14:49
S40	50	game with music\$2 and percussion with (instument or drum or device)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/25 14:50

## EAST Search History

S41	2	S40 and start\$3 with (beating or stiking or drumming)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/25 14:50
S42	54	game\$1 with music\$2 and percussion with (instument or drum or device)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/16 15:07
S43	2	S42 and start\$3 with (beating or stiking or drumming)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/25 14:59
S44	5978	game\$1 with music\$2 and ((percussion near5 instument) or drum or machine or device)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/25 14:52
S45	3	S44 and start\$3 with (beating or stiking or drumming)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/25 14:52
S46	12	S44 and start\$3 with (beating or stiking or drumming or percussion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/25 14:56
S47	5	S44 and (begin\$4 or initiat\$3 or trigger\$3) with (beating or stiking or drumming or percussion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/25 15:10
S48	2	S42 and (begin\$4 or initiat\$3 or trigger\$3) with (beating or stiking or drumming or percussion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/25 15:00
S49	2	("20020025842").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/26 13:52

## EAST Search History

S50	2	("6031176").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/26 14:37
S51	2950	(84/600,609,649,723-725,730,104,411R).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/26 14:37
S52	9	S51 and sensor\$1 near\$5 sheet and (percussion or beat\$3 or striking or hitting or force or pressure) near\$3 (instrument or drum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/26 14:39
S54	1114	S51 and (sensors near\$5 (rim or circumference or edge or border))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/26 14:40
S55	2950	(84/600,609,649,723-725,730,104,411R).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/27 09:11
S56	20	S55 and (sensors with (rim or circumference or edge or border)) and ((percussion or beat\$3 or striking or hitting or force or pressure or drum\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/04/27 09:11
S57	3607	(begin\$4 or initiat\$3 or trigger\$3 or start\$3) with (game\$1 or play\$3) same (beating or stiking or drumming or hit\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/25 15:15
S58	1804	(begin\$4 or initiat\$3 or trigger\$3 or start\$3) with (game\$1 or play\$3) with (beating or stiking or drumming or hit\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/06 11:13
S59	444	(begin\$4 or initiat\$3 or trigger\$3 or start\$3) with (game\$1 or play\$3) with (beating or stiking or drumming or hit\$4) same start\$3 near\$3 game\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/25 15:20

## EAST Search History

S60	40	S59 and (music\$2 with game\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/25 15:24
S61	15	S60 and (drum\$1 or percussion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/26 10:09
S62	237	(beat\$3 or striking or hit\$4 or press\$3 or drum\$4) same (percussion or drum) same (sens\$3 or input\$4 or receiv\$3) with printed near4 (circuit\$3 or contact or board)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 15:57
S63	444	(begin\$4 or initiat\$3 or trigger\$3 or start\$3) with (game\$1 or play\$3) with (beating or stiking or drumming or hit\$4) same start\$3 near3 game\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/26 10:16
S64	28	S63 and (drum\$1 or drumhead\$1 or percussion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/26 10:19
S65	207	(begin\$4 or initiat\$3 or trigger\$3 or start\$3) with (game\$1 or play\$3 or music\$2) with (beating or stiking or drumming or struck)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/26 10:18
S66	24	S65 and (drum\$1 or drumhead\$1 or percussion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/26 13:46
S67	3019	(84/600,609,649,723-725,730,104, 411R).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/26 13:10
S68	15	S67 and (sensors with (rim or circumference or edge or border)) and ((percussion or beat\$3 or striking or hitting or force or pressure) with (instrument or drum))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/26 13:51

## EAST Search History

S69	381	84/600.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/26 13:47
S70	899	84/609.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/26 13:46
S71	197	84/649.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/26 13:47
S72	862	84/723-725.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/26 13:47
S73	95	84/730.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/26 13:47
S74	62	84/104.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/26 13:48
S75	811	84/411R.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/26 13:48
S76	2	"4852443".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/26 13:50
S77	107	(S70 or S72 or S72) and (percussion or drum or drumhead or cymbal) with (beat\$3 or strik\$3 or struck or hitting or pressur\$3 or drumming)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/26 13:53
S78	4118	game\$1 with (start\$3 or trigger\$3 or activat\$3 or begin\$4 or initiat\$3) same (beat\$3 or strik\$3 or drumming or hitting or press\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/16 15:12



## EAST Search History

S79	66	game\$1 with (start\$3 or trigger\$3 or activat\$3 or begin\$4 or initiat\$3) same (beat\$3 or strik\$3 or drumming or hitting or press\$3) with (signal or state) near4 start	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/16 16:08
S80	2	von adj Goeben near3 Robert	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/16 16:05
S81	8	(beat\$3 or strik\$3 or drumming or hitting or press\$3 or pushing) same (signal or state) near4 (start\$3 or trigger\$3 or activat\$3 or begin\$4 or initiat\$3) and (music\$2 or audio) near4 game and (percussion or drum\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/16 17:08
S82	14	(beat\$3 or strik\$3 or drumming or hitting or press\$3 or pushing) same (signal or state) near4 (start\$3 or trigger\$3 or activat\$3 or begin\$4 or initiat\$3) and (music\$2 or audio) near4 game and (percussion or drum\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/16 16:10
S83	65	(beat\$3 or strik\$3 or drumming or hitting) same (signal or state) near4 (start\$3 or trigger\$3 or begin\$4 or initiat\$3) and (music\$2 or audio) near4 (game or percussion or drum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/17 08:25
S84	2	(beat\$3 or strik\$3 or drumming or hitting) same (signal or state) near4 (start\$3 or trigger\$3 or begin\$4 or initiat\$3) and music\$2 near4 game same (percussion or drum or drumhead)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/17 08:27
S85	21	(beat\$3 or strik\$3 or drumming or hitting) same (start\$3 or trigger\$3 or begin\$4 or initiat\$3) and music\$2 near4 game same (percussion or drum or drumhead)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/20 15:57
S86	184	(beat\$3 or strik\$3 or drumming or hitting or percussion) same (start\$3 or trigger\$3 or begin\$4 or initiat\$3) and music\$2 near4 game	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/17 08:51
S87	89	(beat\$3 or strik\$3 or drumming or hitting or percussion) with (start\$3 or trigger\$3 or begin\$4 or initiat\$3) and music\$2 near4 game	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/17 09:33

## EAST Search History

S88	224	(beating or strik\$3 or drumming or hitting or percussion) with (start\$3 or begin\$4 or initiat\$3) near3 game	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/17 09:35
S89	913	(beat\$3 or strik\$3 or drumming or hitting or press\$3 or push\$3) near5 (start\$3 or trigger\$3 or begin\$4 or initiat\$3) near5 (game or play\$3) and game with (percussion or drum or drumhead or music or electronic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 16:02
S90	17	(beat\$3 or strik\$3 or drumming or hitting) near5 (start\$3 or trigger\$3 or begin\$4 or initiat\$3) near5 (game or play\$3) and game with (percussion or drum or drumhead) with ( music or electronic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 16:08
S91	4	(beattting or strik\$3 or drumming or hitting) near5 (start\$3 or trigger\$3 or begin\$4 or initiat\$3) near5 (game or play\$3) and game with (percussion or drum or drumhead)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 16:11
S92	0	(beattting) near5 (start\$3 or trigger\$3 or begin\$4 or initiat\$3) near5 (game or play\$3) and game	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 16:10
S93	5	(beating) near5 (start\$3 or trigger\$3 or begin\$4 or initiat\$3) near5 (game or play\$3) and game	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 16:11
S94	33	(beating or strik\$3 or drumming or hitting) near5 (start\$3 or trigger\$3 or begin\$4 or initiat\$3) near5 (game or play\$3) and game with (electronic or music\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 16:12
S95	4	"20040083873"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 14:57

## EAST Search History

S96	518	sensors with (percussion or beat\$3 or striking or hitting or force or pressure) same (drumhead or drum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/31 15:16
S97	66	sensors with (percussion or beat\$3 or striking or hitting) same (drumhead or drum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/31 15:22
S98	90	sensor with signal same bypass with transmission	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 15:25
S99	57346	"84"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 15:24
S100	1	S98 and S99	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 15:24
S101	41663	"381"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 15:24
S102	0	S98 and S101	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 15:24
S103	5450	sensor same signal same bypass	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 15:26

## EAST Search History

S10 4	5	S99 and S103	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 15:25
S10 5	13891	sensor same bypass	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 15:26
S10 6	6	S99 and S105	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 15:59
S10 7	0	sensor same by adj pass	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 15:26
S10 8	0	sensor same (by adj pass)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 15:27
S10 9	3193	sensor same (by-pass)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 15:27
S11 0	0	S99 and S109	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 15:27
S11 1	6	sensors with rim same (drumhead)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 16:05

## EAST Search History

S11 2	1	sensors with rim same (drumhead)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 16:05
S11 3	3	sensors with rim and (drumhead)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 16:06
S11 4	3	sensors same rim and (drumhead)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 16:06
S11 5	569	(sens\$3 with (rim or circumference or edge or border) with (drum or drumhead)) and ((percussion or beat\$3 or striking or hitting or force or pressure) with (instrument or drum\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/05 16:24
S11 8	57852	"84"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/05 16:25
S11 9	569	(sens\$3 with (rim or circumference or edge or border) with (drum or drumhead)) and ((percussion or beat\$3 or striking or hitting or force or pressure) with (instrument or drum\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 08:58
S12 0	25	S118 and S119	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/05 16:25
S12 1	0	S120 and bypass	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/05 16:25
S12 2	0	S120 and bypass\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/05 16:25

## EAST Search History

S12 3	12	("0729936"   "4168646"   "4242937"   "4362081"   "4714002"   "4798121"   "5042356"   "5533405"   "5585581"   "5633473"   "5920026").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/05 16:30
S12 4	1	S123 and (rim near5 sens\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/05 16:30
S12 5	1	S123 and (rim near5 sens\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 16:35
S12 6	7	("6031176").URPN.	USPAT	OR	OFF	2006/10/05 16:35
S12 7	1	S126 and (rim near5 sens\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 16:37
S12 8	1	S126 and (rim with sens\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 16:37
S12 9	1	S126 and (rim same sens\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 16:37
S13 0	1	S126 and (rim same detect\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 16:37
S13 1	7	("4648302"   "4700602"   "4867028"   "5005460"   "5056403"   "5247128"   "5399801").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/05 16:37
S13 2	7	("6031176").URPN.	USPAT	OR	OFF	2006/10/05 16:39

## EAST Search History

S13 3	817	(sens\$3 with (rim or circumference or edge or border or annular\$2 or peripheral\$3) with (drum or drumhead or chassis)) and ((percussion or beat\$3 or striking or hitting or force or pressure) with (instrument or drum\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 09:11
S13 4	57852	"84"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/06 09:00
S13 5	31	S133 and S134	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/06 09:00
S13 6	201	((pickup or transducer) with (rim or circumference or edge or border or annular\$2 or peripheral\$3) with (drum or drumhead or chassis)) and ((percussion or beat\$3 or striking or hitting or force or pressure) with (instrument or drum\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 09:12
S13 7	17	S134 and S136	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 09:12
S13 8	0	("2003/0061932").URPN.	USPAT	OR	OFF	2006/10/06 09:18
S13 9	33	Tanaka near3 so	USPAT	OR	OFF	2006/10/06 09:20
S14 0	25	Harada near3 Minoru	USPAT	OR	OFF	2006/10/06 09:20
S14 1	3	("5965834").URPN.	USPAT	OR	OFF	2006/10/06 09:28
S14 2	16	("4102235"   "4479412"   "4581973"   "5105710"   "5262585"   "5293000"   "5492047"   "5493942"   "5915289"   "5922980"   "5965834"   "5969281"   "5977473"   "6031176"   "6072112"   "6331667").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/06 09:29
S14 3	16	("5105710").URPN.	USPAT	OR	OFF	2006/10/06 09:33

## EAST Search History

S14 4	12	("4102235"   "4479412"   "4581973"   "5105710"   "5262585"   "5293000"   "5492047"   "5493942"   "5915289"   "5922980"   "6031176"   "6331667").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/06 09:37
S14 5	0	("6632989").URPN.	USPAT	OR	OFF	2006/10/06 09:37
S14 6	5444	(begin\$4 or initiat\$3 or trigger\$3 or start\$3) near5 (game\$1 or play\$3 or performance) with (beat\$4 or stik\$3 or drumming or hit\$4 or touch\$3 or press\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/10 14:59
S14 7	2384	(begin\$4 or initiat\$3 or trigger\$3 or start\$3) near5 (game\$1 or play\$3 or performance) with (beat\$4 or stik\$3 or drumming or hit\$4 or touch\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 11:17
S14 8	48	S147 and (sens\$3 or pick adj up or pickup or transducer) with signal with (stik\$3 or beat\$4 or hit\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/10 15:01
S14 9	2	("5571267").URPN.	USPAT	OR	OFF	2006/10/06 11:39
S15 0	4	("4224761"   "4461475"   "4627620"   "4973053").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/06 11:41
S15 1	142	S147 and (sens\$3 or pick adj up or pickup or transducer) with (stik\$3 or beat\$4 or hit\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 13:51
S15 2	2	"20030061932"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 13:55



## EAST Search History

S15 3	2	"20010034014"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 13:57
S15 4	2	"20020025842"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 13:57
S15 5	1588	game and (begin\$4 or initiat\$3 or trigger\$3 or start\$3) near5 (game\$1 or play\$3 or performance) with (beat\$4 or strik\$3 or drumming or hit\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/10 15:00
S15 6	45	S155 and (sens\$3 or pick adj up or pickup or transducer) with signal with (strik\$3 or beat\$4 or hit\$4 or drumming)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/10 15:58
S16 0	29	"351459"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/10 16:11